

Title (en)
Photoelectric encoder

Title (de)
Fotoelektrischer Kodierer

Title (fr)
Codeur photoélectrique

Publication
EP 2629064 A3 20150128 (EN)

Application
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Abstract (en)
[origin: EP2629064A2] A photoelectric encoder (1) according to the present invention comprises a light-receiving unit (7) including: a first and second light-receiving element column (LRL); and a light-blocking layer (20) configured from a light-blocking portion (20a) and a light-transmitting portion (20b), the first and second light-receiving element columns being disposed staggered in a second direction such that an arrangement pattern of light-receiving elements in the first and second light-receiving element columns has a pitch which is the same in a first direction and a phase which differs in the first direction, and the light-transmitting portion on the light-receiving surface of the light-receiving element in the first light-receiving element column and the light-transmitting portion on the light-receiving surface of the light-receiving element in the second light-receiving element column being formed so as not to overlap each other when staggered in the second direction.

IPC 8 full level
G01D 5/353 (2006.01); **G01D 5/347** (2006.01)

CPC (source: EP US)
G01D 5/34746 (2013.01 - US); **G01D 5/35383** (2013.01 - EP US)

Citation (search report)
• [X] EP 1477775 A2 20041117 - MITUTOYO CORP [JP]
• [A] EP 2284498 A2 20110216 - SANYO ELECTRIC CO [JP]
• [A] US 2007001108 A1 20070104 - SANNOMIYA HIDEAKI [JP], et al

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Designated extension state (EPC)
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EP 13154928 A 20130212; CN 201310052343 A 20130218; JP 2012030933 A 20120215; US 201313766077 A 20130213